Test Verification of Conformity

Verification Number: 220908133GZU-VOC001

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the regulation(s) listed on this verification at the time the tests were carried out. Other standards and Regulations may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>.

Once compliance with all product relevant UKCA mark regulations are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

Applicant Name & Address:	Shenzhen Growatt New Energy Co., Ltd. 4-13/F, Building A, Sino-German (Europe) Industrial Park, Hangcheng Ave, Bao'an District, Shenzhen, China
Product Description:	PV Grid inverter
Ratings & Principle Characteristics:	See Annex to Certificate of Conformity
Models/Type References:	MID 6KTL3-XL2, MID 8KTL3-XL2, MID 10KTL3-XL2, MID 11KTL3-XL2, MID 12KTL3-XL2, MID 15KTL3-XL2, MID 17KTL3-XL2, MID 20KTL3-XL2, MID 22KTL3-XL2, MID 25KTL3-XL2, MID 17KTL3-X2, MID 20KTL3-X2, MID 25KTL3-X2, MID 30KTL3-X2, MID 30KTL3-X2-1, MID 33KTL3-X2, MID 36KTL3-X2, MID 40KTL3-X2, MID 50KTL3-X2
Brand Name:	GROWATT
Relevant Standards/Regulations:	IEC/EN 62109-1: 2010 Safety of power converters for use in photovoltaic power systems – Part 1: General requirements IEC/EN 62109-2: 2011 Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters Electrical Equipment (Safety) Regulations 2016
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Room 02, & 101/E201/E301/E401/E501/E601/E701/E801 of Room 01 1-8/F., No. 7-2. Caipin Road, Science City, GETDD, Guangzhou, Guangdong, China
Date of Tests:	10 Sep 2022 to 25 Feb 2023
Test Report Number(s):	220908133GZU-001, 220908133GZU-002

Additional information in Appendix.

Signature

Name: Tommy Zhong
Position: Technical Manager
Date: 11 April 2023

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 220908133GZU-VOC001.

Ratings & Principle Characteristics:

Model	MID 6KTL3 -XL2	MID 8KTL3 -XL2	MID 10KTL3 -XL2	MID 11KTL3 -XL2	MID 12KTL3 -XL2	MID 15KTL3 -XL2	MID 17KTL3 -XL2	MID 20KTL3 -XL2	MID 22KTL3 -XL2	MID 25KTL3 -XL2
Max. DC voltage	1100V									
Max. input current per MPP trackers	32/36					32/32/32/32				
Max. short-circuit current per MPP trackers	40/45					40/40/40/40				
AC rated power	6000 W	8000 W	10000 W	11000 W	12000 W	15000 W	17000 W	20000 W	22000 W	25000 W
Max. AC apparent power	6600 VA	8800 VA	11100 VA	12200 VA	13300 VA	16600 VA	18800 VA	22200 VA	24400 VA	27700 VA
Nominal AC voltage	3W+PE, 3W/N/PE,127V/220V; 133V/230V									
AC grid frequency	50/60 Hz									
Max. output current	17.5A	23.3A	29.2A	32.1A	35.0A	43.7A	49.6A	58.3A	64.2A	72.9A
Adjustable power factor	0.8Leading ...0.8Lagging									
Operating temperature range	–25°C ... +60°C (>45°C Derating)									
Protection degree	IP66									
Software Version	DM1.0									

Signature

Name: Tommy Zhong
Position: Technical Manager
Date: 11 April 2023

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 220908133GZU-VOC001.

Ratings & Principle Characteristics:

Model	MID 17KTL3-X2	MID 20KTL3-X2	MID 25KTL3-X2	MID 30KTL3-X2	MID 30KTL3-X2-1	MID 33KTL3-X2	MID 36KTL3-X2	MID 40KTL3-X2	MID 50KTL3-X2
Max. DC voltage	1100Vdc								
Max. input current per MPP trackers [A]	32/32		32/36	32/48	32/32/32			32/32/32/32	
Max. short-circuit current per MPP trackers [A]	40/40		40/45	40/60	40/40/40			40/40/40/40	
AC rated power [KW]	17	20	25	30	30	33	36	40	50
Max. AC apparent power [KVA]	18.8	22.2	27.7	33.3	30.0	36.6	40.0	44.4	55.5
Rated AC voltage	3W/N/PE, 230V/400V								
AC grid frequency	50/60Hz								
Max. output current [A]	28.6	33.6	42.0	50.5	45.5	55.5	60.6	67.3	84.1
Adjustable power factor	0.8Leading ...0.8Lagging								
Operating temperature range	–25°C ... +60°C (>45°C Derating)								
Protection degree	IP66								
Software Version	DM1.0								

Signature

Name: Tommy Zhong
Position: Technical Manager
Date: 11 April 2023